

Claims

1. High frequency apparatus comprising a moveable wall having a support which carries an electrical conductive plate, being an active surface during use, with a plurality of contact fingers at the periphery of the wall which are integral with the conductive plate.

2. Apparatus as claimed in claim 1 wherein the support is substantially the same area and shape as the conductive plate.

3. Apparatus as claimed in claim 1 wherein the support is a framework.

4. Apparatus as claimed in claim 1, 2 or 3 wherein a single conductive plate defines the active surface of the moveable wall.

5. Apparatus as claimed in any preceding claim wherein contact fingers are included around the entire periphery of the moveable wall.

6. Apparatus as claimed in any preceding claim wherein the moveable wall is a tuning door for a resonant cavity.

7. A method for manufacturing a moveable wall for high frequency apparatus including the steps of: taking a plate of conductive material; forming contact fingers at the periphery of the plate; and then mounting the plate on a support.

8. A method as claimed in claim 7 wherein the fingers are formed by photoetching.

9. An apparatus or a method as claimed in any preceding claim wherein the conductive plate is of beryllium copper.

10. A method or apparatus as claimed in claim 9 wherein the plate is gold or silver plated.

11. A method or apparatus as claimed in any preceding claim wherein the plate is fixed to the support by adhesive.

12. A method or apparatus as claimed in claim 11 wherein the plate is fixed to the support by adhesive tape.

13. A high frequency apparatus substantially as illustrated in and described with reference to Figures 6, 7 or 8 of the accompanying drawings.

14. A method substantially as illustrated in and described with reference to Figures 2 to 8 of the accompanying drawings.